

## Patent Abstracts of Japan

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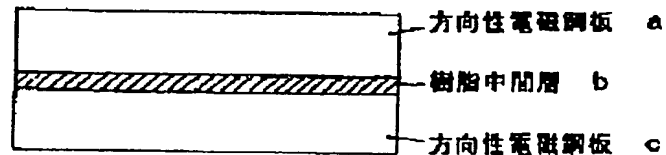
APPLICATION DATE : 10-03-95  
APPLICATION NUMBER : 07051400

APPLICANT : NIPPON STEEL CORP;

INVENTOR : OKAZAKI YASUO;

INT.CL. : H01F 27/245 B32B 15/08 H01F 27/33

TITLE : LOW-NOISE GRAIN-ORIENTED  
ELECTROMAGNETIC STEEL PLATE  
AND LAMINATED CORE



ABSTRACT : PURPOSE: To further lessen a stationary inductive equipment in noise by a method wherein grain-oriented electromagnetic steel plates are laminated into a laminated core interposing a resin intermediate layer of viscoelasticity between them.

CONSTITUTION: Directional electromagnetic steel plates a and c are laminated into an electromagnetic steel plate interposing a viscoelastic resin intermediate layer b between them. It is preferable due to the simplicity of manufacture that the number of grain-oriented electromagnetic steel plates which form the electromagnetic plate is two. A nongrain-oriented electromagnetic plate whose Si content is 3% or so is usually used as the grain-oriented electromagnetic steel plate. The electromagnetic steel plates each provided with an intermediate resin layer are laminated into an iron core used in a stationary inductive equipment. By this setup, a stationary inductive equipment can be lessened in noise.

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